As a below na	amed inventor, I hereby declare that:
This declaration	on is of the following type:
[] [] [X]	original divisional continuation continuation-in-part
	INVENTORSHIP IDENTIFICATION
first and sole i	post office address and citizenship are as stated below next to my name. I believe I am the original, inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are if the subject matter which is claimed and for which a patent is sought on the invention entitled:
	TITLE OF INVENTION
"MERIE I	PLASMA REACTOR WITH OVERHEAD RF ELECTRODE TUNED TO THE PLASMA WITH ARCING SUPPRESSION"
	SPECIFICATION IDENTIFICATION
The specificati	ion of which:
[]	is attached hereto was filed on @, under Serial No. (unknown), executed on even date herewith; or [] Express Mail No. @(as Serial No. not yet known) and was amended on (if applicable) was described and claimed in PCT International Application No and as amended under PCT Article 19 on
	ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR
·	that I have reviewed and understand the contents of the above-identified specification, including the nded by any amendment referred to above.
-	the duty to disclose all information I know to be material to patentability in accordance with of Federal Regulations, §1.56,
	material to the examination of this application; namely, information where there is a substantial a reasonable Examiner would consider it important in deciding whether to allow the application to nt, and
	[] In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than
the United States of America listed below, and have also identified below any foreign application(s) for patent or
inventor's certificate or any PCT international application(s) designating at least one country other than the United
States of America filed by me on the same subject matter having a filing date before that of the application(s) of
which priority is claimed.

which p	oriority is	claimed.					
	[X]	No such applications	have been filed.				
	[]	Such applications ha	ve been filed as follo	ws:			
A.		oreign/PCT applicati iority claims under 3		mos. (6 mos.	for design) pr	ior to this appl	lication, and
Count	ry/PCT	Applica	tion No	Date Filed		Priority Claime	<u>ed</u>
						[] Yes [] []	
В.	U.S. ap	ation No:	any, filed more tha	n 12 mos. (6 m	nos for design)) prior to this	
			PRIORITY CLAIM	I (35 U.S.C. §:	120)		
internate subject provide that is reasonal which of	ional ap matter of d by the naterial the	the benefit under Title plication(s) designatin f each of the claims of first paragraph of Title o the examination of the paragraph of the examination of the between the filing date.	g the United States this application is no 235, United States Conis application (name it important in decident	of America the disclosed in tode, §112, I acidy, information ing whether to	nat is/are listed hat/those prior knowledge the where there is allow the app	d below and, in application(s) is duty to disclose s substantial like lication to issue	nsofar as the n the manner e information elihood that a e as a patent)
	[] [X]	No such applications Such applications ha		ows:			

		Status		
Serial No.	Filing Date	Patented	Pending	Abandoned
09/527,342	March 17, 2000		X	

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Registration No. 25,610 Peter J. Sgarbossa Donald Verplancken Registration No. 33,217 Lawrence Edelman Registration No. 25,226 Registration No. 37,165 Raymond Kam-On Kwong James C. Wilson Registration No. 35,412 Registration No. 37,771 Joseph Bach Robert W. Mulcahy Registration No. 25,436 Robert M. Wallace Registration No. 29,119

Send correspondence to:

Direct telephone calls to:

Patent Counsel, MS/2061 Legal Affairs Dept. Applied Materials, Inc. P. O. Box 450A Santa Clara, CA 95052. Robert M. Wallace (805) 644-4035

DECLARATION

Full name of sole or firs	st inventor:	DANIEL J. HO	FFMAN	
Inventor's signature:	D 1 1	1: At-	Date:	10-7-1
Residence:	SARATOGA, C	A 95070		
Post Office Address:		O DE ARGUELL	0	
	SARATOGA, C	CA 94070	G	TICA
	U.S.A.		Country of Citizenship	o: USA
Full name of second inv	entor:	YAN YE		
Inventor's signature:			Date:	
Residence:	SARATOGA, C	CA 95008		
Post Office Address:	13271 VIA ARI	RIBA DRIVE		
	SARATOGA, C	CA 95008		
	U.S.A.		Country of Citizenship	o: USA
Full name of third inver	ntor:	DAN KATZ		
Inventor's signature:			Date:	
Residence:	AGOURA HIL	LS, CA 91301		
Post Office Address:	5520 EMBER O	COURT		
	AGOURA HILI	LS, CA 91301		
	U.S.A.		Country of Citizenship	: USA

Full name of fourth inve	ntor: DOUGLAS A.	BUCHBERGER, JR.
Inventor's signature:		Date:
Residence:	LIVERMORE, CA 95540	
Post Office Address:	2076 VINTAGE LANE	
	LIVERMORE, CA 95540	
	U.S.A.	Country of Citizenship: USA
		0
Full name of fifth inventor	or: XIAOYE ZHA	AO
Inventor's signature:		Date:
Residence:	MOUNTAIN VIEW, CA 94040	
Post Office Address:	117 WHIT'S ROAD	
	MOUNTAIN VIEW, CA 94040 U.S.A.	Country of Citizenship: USA
	U.S.A.	Country of Chizenship. Cost
Full name of sixth invent	tor: KANG-LIE Cl	HIANG
Full name of sixth miveling	ioi. KANG-LIL Ci	TIL II V
Inventor's signature:		Date:
Residence:	SAN JOSE, CA 95124	
Post Office Address:	1788 Rosswood Dr.	
	SAN JOSE, CA 95124	Country of Citizenship: TAIWAN
	U.S.A.	Country of Chizenship. TATWAN
Full name of seventh inv	rentor: ROBERT B. F	IAGEN
Tun name of seventil my	omor.	
Inventor's signature:		Date:
Residence:	NEWARK, CA 94560	
Post Office Address:		
	NEWARK, CA 94560	Country of Citizenship: USA
	U.S.A.	Country of Chizensinp. Conv
Full name of eighth inve	entor: MATTHEW I	. MILLER
run hame of eighth mye		
Inventor's signature:		Date:
Residence:	NEWARK, CA 94560	
Post Office Address:	35457 ORLEANS DRIVE	
	NEWARK, CA 94560	Country of Citizenship: USA
	U.S.A.	Country of Chizensmp. USA

issue as a patent, and

accordance with 37 CFR §1.98.

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named i	nventor, I hereby declare that:	
This declaration is of	f the following type:	
[] div	ginal risional ntinuation ntinuation-in-part	
	INVENTORSHIP IDENTIFICATION	
My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:		
	TITLE OF INVENTION	
"MERIE PLASMA REACTOR WITH OVERHEAD RF ELECTRODE TUNED TO THE PLASMA WITH ARCING SUPPRESSION"		
	SPECIFICATION IDENTIFICATION	
The specification of	which:	
[] wa [] an [] wa	attached hereto as filed on @, under Serial No. (unknown), executed on even date herewith; or Express Mail No. @(as Serial No. not yet known) d was amended on (if applicable) as described and claimed in PCT International Application No and as amended under PCT Article 19 on	
ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR		
	have reviewed and understand the contents of the above-identified specification, including the by any amendment referred to above.	
_	uty to disclose all information I know to be material to patentability in accordance with deral Regulations, §1.56,	
	ial to the examination of this application; namely, information where there is a substantial sonable Examiner would consider it important in deciding whether to allow the application to	

PRIORITY CLAIM (35 U.S.C. §119)

In compliance with this duty there is attached an Information Disclosure Statement in

A.

В.

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s) for
patent or inventor's certificate or of any PCT international application(s) designating at least one country other than
the United States of America listed below, and have also identified below any foreign application(s) for patent or
inventor's certificate or any PCT international application(s) designating at least one country other than the United
States of America filed by me on the same subject matter having a filing date before that of the application(s) of
which priority is claimed.

hich 1	oriority i	s claimed.		11
	[X]	No such applications have been filed	i .	
	[]	Such applications have been filed as	follows:	
۸.		foreign/PCT application(s) filed with riority claims under 35 U.S.C. §119	nin 12 mos. (6 mos. for de	sign) prior to this application, and
Coun	try/PCT	Application No	Date Filed	Priority Claimed
				[] Yes [] No [] Yes [] No [] Yes [] No
3.		reign application(s), if any, filed mor pplication	e than 12 mos. (6 mos for	design) prior to this
	Counts Applic Filing	cation No:		
		PRIORITY C	LAIM (35 U.S.C. §120)	
nterna ubject	tional ap matter o	the benefit under Title 35, United Stapplication(s) designating the United Stapplication of the claims of this application of first paragraph of Title 35, United Stapplication	States of America that is/a is not disclosed in that/tho	are listed below and, insofar as the se prior application(s) in the manner

T I here ıe interna subjec er provid n that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

09/527,342	March 17, 2000		X	
Serial No.	Filing Date	Patented	Pending	Abandoned
		Status		
L 3	No such applications have been filed Such applications have been filed, as follows:			

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa Registration No. 25,610 Donald Verplancken Registration No. 33,217 Lawrence Edelman Registration No. 25,226 Raymond Kam-On Kwong Registration No. 37,165 Registration No. 35,412 James C. Wilson Registration No. 37,771 Joseph Bach Registration No. 25,436 Robert W. Mulcahy Robert M. Wallace Registration No. 29,119

Send correspondence to:

Direct telephone calls to:

Patent Counsel, MS/2061 Legal Affairs Dept. Applied Materials, Inc. P. O. Box 450A Santa Clara, CA 95052. Robert M. Wallace (805) 644-4035

DECLARATION

Full name of sole or first	inventor:	DANIEL J. HOF	FMAN	
Inventor's signature:			Date:	
Residence:	SARATOGA, C	A 95070		
Post Office Address:	12343 ARROYO	DE ARGUELLO)	
	SARATOGA, C	A 94070		
	U.S.A.		Country of Citizenship	o: USA
Full name of second inve	to	YAN YE		
run name of second inve	mor:	IANIE		
Inventor's signature:	20		Date:	10-22-01
Residence:	SARATOGA, C	A 95008		
Post Office Address:	13271 VIA ARF	UBA DRIVE		
	SARATOGA, C	A 95008		
	U.S.A.		Country of Citizenship	o: USA
Full name of third invent	tor:	DAN KATZ		
Inventor's signature:			Date:	
Residence:	AGOURA HILI	S, CA 91301		
Post Office Address:	5520 EMBER C	OURT		
	AGOURA HILI	LS, CA 91301		
	U.S.A.		Country of Citizenship	o: USA

Full name of fourth inve	ntor: DOUGLAS A.	BUCHBERGER, JR.
Inventor's signature:		Date:
Residence:	LIVERMORE, CA 95540	
Post Office Address:	2076 VINTAGE LANE	
1 obt Office 1 dates.	LIVERMORE, CA 95540	
	U.S.A.	Country of Citizenship: USA
		•
Full name of fifth inventor	or: XIAOYE ZHA	0
		Data
Inventor's signature:	MOUNTAIN VIEW CA 04040	Date:
Residence:	MOUNTAIN VIEW, CA 94040 117 WHIT'S ROAD	
Post Office Address:	MOUNTAIN VIEW, CA 94040	
	U.S.A.	Country of Citizenship: USA
	U.S.A.	Country of Citizonship. Ob.
Full name of sixth invent	tor: KANG-LIE C	HIANG
Tun name of sixth mivem	in to the or	
Inventor's signature:		Date:
Residence:	SAN JOSE, CA 95124	
Post Office Address:	1788 Rosswood Dr.	
	SAN JOSE, CA 95124	
	U.S.A.	Country of Citizenship: TAIWAN
	DODERU I	A CENT
Full name of seventh inv	ventor: ROBERT B. I	IAGEN
Inventor's signature:		Date:
Residence:	NEWARK, CA 94560	
Post Office Address:	6826 CABERNET AVENUE	
	NEWARK, CA 94560	
	U.S.A.	Country of Citizenship: USA
		MATER
Full name of eighth inve	entor: MATTHEW I	L. MILLER
Inventor's signature:		Date:
Residence:	NEWARK, CA 94560	
Post Office Address:	35457 ORLEANS DRIVE	
	NEWARK, CA 94560	
	U.S.A.	Country of Citizenship: USA

As a below nam	ned inventor, I hereby declare that:
This declaration	is of the following type:
[] [] [] [X]	original divisional continuation continuation-in-part
	INVENTORSHIP IDENTIFICATION
first and sole inv	ost office address and citizenship are as stated below next to my name. I believe I am the original, rentor (if only one name is listed below) or an original, first and joint inventor (if plural names are the subject matter which is claimed and for which a patent is sought on the invention entitled:
	TITLE OF INVENTION
"MERIE PL	ASMA REACTOR WITH OVERHEAD RF ELECTRODE TUNED TO THE PLASMA WITH ARCING SUPPRESSION"
	SPECIFICATION IDENTIFICATION
The specification	of which:
[X] [] filed on	is attached hereto was filed on @, under Serial No. (unknown), executed on even date herewith; or [] Express Mail No. @(as Serial No. not yet known) and was amended on(if applicable) was described and claimed in PCT International Application No and as amended under PCT Article 19 on
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	at I have reviewed and understand the contents of the above-identified specification, including the ed by any amendment referred to above.
_	the duty to disclose all information I know to be material to patentability in accordance with Federal Regulations, §1.56,
	aterial to the examination of this application; namely, information where there is a substantial reasonable Examiner would consider it important in deciding whether to allow the application to and
	[] In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

09/527,342

March 17, 2000

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s) for
patent or inventor's certificate or of any PCT international application(s) designating at least one country other than
the United States of America listed below, and have also identified below any foreign application(s) for patent or
inventor's certificate or any PCT international application(s) designating at least one country other than the United
States of America filed by me on the same subject matter having a filing date before that of the application(s) of
which priority is claimed.

	of Amer priority is			matter having	a filing date bet	fore that of the application(s) of
	[X]	No suc	ch applications have been fil	ed.		
	[]	Such a	pplications have been filed	as follows:		
A.			PCT application(s) filed wi aims under 35 U.S.C. §119		omos, for design) prior to this application, and
Cour	ntry/PCT		Application No	<u>Date</u>	<u>Filed</u>	Priority Claimed
						[] Yes [] No [] Yes [] No [] Yes [] No
	Countr Applic Filing	ation No				
			PRIORITY	CLAIM (35 U.	S.C. §120)	
interna subjec provid that is reason which	ntional ap t matter of led by the material t able Exar	plication f each of first para to the exa niner wo	fit under Title 35, United S (s) designating the United the claims of this application agraph of Title 35, United St amination of this application uld consider it important in	states Code, § States of Ame on is not disclostates Code, §11 (namely, infor deciding when	120, of any Unit rica that is/are led in that/those p 2, I acknowledge mation where the her to allow the	ed States application(s) or PCT isted below and, insofar as the rior application(s) in the manner the duty to disclose information re is substantial likelihood that a application to issue as a patent) PCT international filing date of
	[] [X]		h applications have been fil pplications have been filed,			
				Status		
	Serial 1	<u>No</u> .	Filing Date	Patented	Pending	Abandoned

X

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa Registration No. 25,610 Donald Verplancken Registration No. 33,217 Lawrence Edelman Registration No. 25,226 Raymond Kam-On Kwong Registration No. 37,165 James C. Wilson Registration No. 35,412 Joseph Bach Registration No. 37,771 Robert W. Mulcahy Registration No. 25,436 Robert M. Wallace Registration No. 29,119

Send correspondence to:

Direct telephone calls to:

Patent Counsel, MS/2061 Legal Affairs Dept. Applied Materials, Inc. P. O. Box 450A Santa Clara, CA 95052.

U.S.A.

Robert M. Wallace (805) 644-4035

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or fir	st inventor:	DANIEL J. H	OFFMAN
Inventor's signature:			Date:
Residence:	SARATOGA, C.	A 95070	· · · · · · · · · · · · · · · · · · ·
Post Office Address:	12343 ARROYO	DE ARGUEL	LO
	SARATOGA, C.	A 94070	
	U.S.A.		Country of Citizenship: USA
Full name of second in	ventor:	YAN YE	
Inventor's signature:			Date:
Residence:	SARATOGA, C.	A 95008	
Post Office Address:	13271 VIA ARR	JBA DRIVE	
	SARATOGA, C.	A 95008	
	U.S.A.		Country of Citizenship: USA
Full name of third inve	ntor:	DAN KATZ	
Inventor's signature:	Dan A		Date: 10/09/01
Residence:	AGOURA HILL	S, CA 91301	
Post Office Address:	5520 EMBER C	OURT	
	AGOURA HILL	S, CA 91301	

Country of Citizenship: USA

Inventor's signature: Residence: Post Office Address: LIVERMORE, CA 95540 Post Office Address: LIVERMORE, CA 95540 U.S.A. Country of Citizenship: USA Full name of fifth inventor: XIAOYE ZHAO Inventor's signature: Residence: MOUNTAIN VIEW, CA 94040 Post Office Address: MOUNTAIN VIEW, CA 94040 MOUNTAIN VIEW, CA 94040 MOUNTAIN VIEW, CA 94040 MOUNTAIN VIEW, CA 94040
Residence: LIVERMORE, CA 95540 Post Office Address: 2076 VINTAGE LANE LIVERMORE, CA 95540 U.S.A. Country of Citizenship: USA Full name of fifth inventor: XIAOYE ZHAO Inventor's signature: Date: Residence: MOUNTAIN VIEW, CA 94040 Post Office Address: 117 WHIT'S ROAD MOUNTAIN VIEW, CA 94040
Full name of fifth inventor: XIAOYE ZHAO Inventor's signature: Date: Residence: MOUNTAIN VIEW, CA 94040 Post Office Address: 117 WHIT'S ROAD MOUNTAIN VIEW, CA 94040
Inventor's signature: Date:
Inventor's signature: Date:
Residence: MOUNTAIN VIEW, CA 94040 Post Office Address: 117 WHIT'S ROAD MOUNTAIN VIEW, CA 94040
Post Office Address: 117 WHIT'S ROAD MOUNTAIN VIEW, CA 94040
MOUNTAIN VIEW, CA 94040
TICA Communication TICA
U.S.A. Country of Citizenship: USA
Full name of sixth inventor: KANG-LIE CHIANG
Inventor's signature: Date:
Residence: SAN JOSE, CA 95124 Post Office Address: 1788 Rosswood Dr.
SAN JOSE, CA 95124
U.S.A. Country of Citizenship: TAIWAN
Full name of seventh inventor: ROBERT B. HAGEN
run hanc of sevence inventor. ROBERT B. HAGEIV
Inventor's signature: Date:
Residence: NEWARK, CA 94560 Post Office Address: 6826 CABERNET AVENUE
NEWARK, CA 94560
U.S.A. Country of Citizenship: USA
Full name of eighth inventor: MATTHEW L. MILLER
Inventor's signature: Date:
Residence: NEWARK, CA 94560
Post Office Address: 35457 ORLEANS DRIVE
NEWARK, CA 94560 U.S.A. Country of Citizenship: USA

As a be	low named inventor, I hereby declare that:
This dec	claration is of the following type:
	 original divisional continuation continuation-in-part
	INVENTORSHIP IDENTIFICATION
first and	dence, post office address and citizenship are as stated below next to my name. I believe I am the original sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are slow) of the subject matter which is claimed and for which a patent is sought on the invention entitled:
	TITLE OF INVENTION
"ME	TRIE PLASMA REACTOR WITH OVERHEAD RF ELECTRODE TUNED TO THE PLASMA WITH ARCING SUPPRESSION"
	SPECIFICATION IDENTIFICATION
The spec	cification of which:
	 [X] is attached hereto [] was filed on @, under Serial No. (unknown), executed on even date herewith; or [] Express Mail No. @(as Serial No. not yet known) and was amended on
	ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR
	state that I have reviewed and understand the contents of the above-identified specification, including the as amended by any amendment referred to above.
	vledge the duty to disclose all information I know to be material to patentability in accordance with Code of Federal Regulations, §1.56,
likelihoo	ch is material to the examination of this application; namely, information where there is a substantial of that a reasonable Examiner would consider it important in deciding whether to allow the application to a patent, and
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the United States of America listed below, and have also identified below any foreign application(s) for patent or
inventor's certificate or any PCT international application(s) designating at least one country other than the United
States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

which 1	priority is	claimed	ł.	•	J	C	.,
	[X]	No su	ch applications have	oeen filed.			
	[]	Such a	applications have bee	a filed as foll	lows:		
A.			PCT application(s) faims under 35 U.S.C		12 mos. (6	mos. for design) prior to this application, and
Coun	try/PCT		Application No	<u>)</u>	Date F	Filed	Priority Claimed
							[] Yes [] No [] Yes [] No [] Yes [] No
В.		eign app plicatio	olication(s), if any, f n	led more th	an 12 mos	. (6 mos for des	ign) prior to this
	Country Applica Filing d	tion No	:				
			PRIO	RITY CLAI	M (35 U.S	.C. §120)	
internat subject provide that is r reasona which o	tional app matter of ed by the t material to able Exan	each of first para the exa	(s) designating the latter claims of this apparagn of Title 35, Unimination of this application of the consider it imposes the consideration in the consider	United States plication is nated States Cication (name reaction in decided)	s of Amer ot disclose Code, §112 ely, inform	ica that is/are lead in that/those p d, I acknowledge nation where the ner to allow the	ed States application(s) or PCT isted below and, insofar as the rior application(s) in the manner the duty to disclose information re is substantial likelihood that a application to issue as a patent) PCT international filing date of
	[] [X]		th applications have been pplications have been		lows:		
	a	.	7.11		atus		
	Serial N	<u>lo</u> .	Filing Date	Pate	nted	Pending	Abandoned
	09/527,3	342	March 17, 2000			X	

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

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DECLARATION

Full name of sole or first	st inventor:	DANIEL J. H	OFFMAN
Inventor's signature:			Date:
Residence:	SARATOGA,	CA 95070	
Post Office Address:	12343 ARROY	O DE ARGUEL	LO
	SARATOGA,	CA 94070	
	U.S.A.		Country of Citizenship: USA
Full name of second inv	ventor:	YAN YE	
Inventor's signature:			Date:
Residence:	SARATOGA,	CA 95008	
Post Office Address:	13271 VIA AF	RRIBA DRIVE	
	SARATOGA,	CA 95008	
	U.S.A.		Country of Citizenship: USA
Full name of third inver	ntor:	DAN KATZ	
Inventor's signature:			Date:
Residence:	AGOURA HII	LS, CA 91301	
Post Office Address:	5520 EMBER	COURT	
	AGOURA HII	LS, CA 91301	
	U.S.A.		Country of Citizenship: USA

Full name of fourth inve	entor: DOUGLAS A.	BUCHBERGER, JR.
Inventor's signature:	Van Bruth-	Date: 10/2/01
Residence:	LIVERMÓRE, CA 95540	
Post Office Address:	2076 VINTAGE LANE	
	LIVERMORE, CA 95540 U.S.A.	Country of Citizenship: USA
	0.S.A.	Country of Chizenship. USA
Full name of fifth invent	or: XIAOYE ZHA	0
Inventor's signature:	MOIDITA DI VIEW CA 04040	Date:
Residence: Post Office Address:	MOUNTAIN VIEW, CA 94040 117 WHIT'S ROAD	
r our office riddress.	MOUNTAIN VIEW, CA 94040	
	U.S.A.	Country of Citizenship: USA
Full name of sixth invent	tor: KANG-LIE CH	IIANG
Inventor's signature:		Date:
Residence:	SAN JOSE, CA 95124	Date.
Post Office Address:	1788 Rosswood Dr.	
	SAN JOSE, CA 95124	C
	U.S.A.	Country of Citizenship: TAIWAN
Full name of seventh inv	entor: ROBERT B. H.	AGEN
Inventor's signature:	NEWARK, CA 94560	Date:
Residence: Post Office Address:	6826 CABERNET AVENUE	
1 ost office Hadress.	NEWARK, CA 94560	
	U.S.A.	Country of Citizenship: USA
Full name of eighth inve	ntor: MATTHEW L.	MILLER
Inventor's signature:		Date:
Residence:	NEWARK, CA 94560	
Post Office Address:	35457 ORLEANS DRIVE	
	NEWARK, CA 94560 U.S.A.	Country of Citizenship: USA
	U.U.A.	Country of Chizenship, ObA

As	a	below	named	invent	tor, I	here	by c	iec.	lare	that:
----	---	-------	-------	--------	--------	------	------	------	------	-------

This declaration	is of the following type:
[] [] [X]	original divisional continuation continuation-in-part
	INVENTORSHIP IDENTIFICATION
first and sole inv	ost office address and citizenship are as stated below next to my name. I believe I am the original, entor (if only one name is listed below) or an original, first and joint inventor (if plural names are the subject matter which is claimed and for which a patent is sought on the invention entitled:
	TITLE OF INVENTION
"MERIE PL	ASMA REACTOR WITH OVERHEAD RF ELECTRODE TUNED TO THE PLASMA WITH ARCING SUPPRESSION"
	SPECIFICATION IDENTIFICATION
The specification	of which:
[X] [] filed on	is attached hereto was filed on @, under Serial No. (unknown), executed on even date herewith; or [] Express Mail No. @(as Serial No. not yet known) and was amended on (if applicable) was described and claimed in PCT International Application No and as amended under PCT Article 19 on
A	CKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR
	at I have reviewed and understand the contents of the above-identified specification, including the ed by any amendment referred to above.
	e duty to disclose all information I know to be material to patentability in accordance with Federal Regulations, §1.56,
	aterial to the examination of this application; namely, information where there is a substantial reasonable Examiner would consider it important in deciding whether to allow the application to and
	[] In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR $\S1.98$.

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s) for
patent or inventor's certificate or of any PCT international application(s) designating at least one country other than
the United States of America listed below, and have also identified below any foreign application(s) for patent or
inventor's certificate or any PCT international application(s) designating at least one country other than the United
States of America filed by me on the same subject matter having a filing date before that of the application(s) of
which priority is claimed.

winch p	mornly is	nameu.			
	[X]	No such applications have b	een filed.		
	[]	Such applications have been	filed as follows:		
Α.		reign/PCT application(s) fi rity claims under 35 U.S.C		6 mos. for design) prior to this application, and
Count	ry/PCT	Application No	Date	Filed	Priority Claimed
					[] Yes [] No [] Yes [] No [] Yes [] No
В.	U.S. app		ed more than 12 me	os. (6 mos for des	ign) prior to this
	Country: Applicat Filing da	ion No:			
		PRIOR	ITY CLAIM (35 U	.S.C. §120)	
internati subject i provided that is m reasonal	ional applematter of of the financial to be be became to be considered by the financial to be be became the financial to be be became the financial to be became the financial to be became the financial to be be be became the financial to be became the fin	ication(s) designating the Use and of the claims of this appoint paragraph of Title 35, Unithe examination of this appliance would consider it important.	nited States of Am- lication is not disclo- ited States Code, §1 cation (namely, infor- ant in deciding whe	erica that is/are listed in that/those properties. I acknowledge mation where there to allow the a	ed States application(s) or PCT isted below and, insofar as the rior application(s) in the manner the duty to disclose information re is substantial likelihood that a application to issue as a patent) PCT international filing date of
		No such applications have be Such applications have been			
	0: 137	Pilling To A	Status	D 11	., , ,
	Serial No	. Filing Date	Patented	Pending	Abandoned
	09/527,34	2 March 17, 2000		X	

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa Registration No. 25,610 Donald Verplancken Registration No. 33,217 Lawrence Edelman Registration No. 25,226 Raymond Kam-On Kwong Registration No. 37,165 James C. Wilson Registration No. 35,412 Joseph Bach Registration No. 37,771 Robert W. Mulcahy Registration No. 25,436 Robert M. Wallace Registration No. 29,119

Send correspondence to:

Direct telephone calls to:

Patent Counsel, MS/2061 Legal Affairs Dept. Applied Materials, Inc. P. O. Box 450A Santa Clara, CA 95052. Robert M. Wallace (805) 644-4035

DECLARATION

Full name of sole or first	st inventor: DANIEL J. HOI	FFMAN	
Inventor's signature:		Date:	
Residence:	SARATOGA, CA 95070		
Post Office Address:	12343 ARROYO DE ARGUELLO)	
	SARATOGA, CA 94070		
	U.S.A.	Country of Citizenship: USA	
Full name of second inv	ventor: YAN YE		
Inventor's signature:		Date:	
Residence:	SARATOGA, CA 95008		
Post Office Address:	13271 VIA ARRIBA DRIVE		
	SARATOGA, CA 95008		
	U.S.A.	Country of Citizenship: USA	
Full name of third inver	ntor: DAN KATZ		
Inventor's signature:		Date:	
Residence:	AGOURA HILLS, CA 91301		
Post Office Address:	5520 EMBER COURT		
	AGOURA HILLS, CA 91301		
	U.S.A.	Country of Citizenship: USA	

Full name of fourth inventor: DOUGLAS A. BUCHBERGER, JR.	
Inventor's signature: Date:	
Residence: LIVERMORE, CA 95540 Post Office Address: 2076 VINTAGE LANE LIVERMORE, CA 95540	
U.S.A. Country of Citizenship: USA	
Full name of fifth inventor: XIAOYE ZHAO	
Inventor's signature: Date: 10/3/01	
Residence: MOUNTAIN VIEW, CA 94040 Post Office Address: 117 WHIT'S ROAD	
MOUNTAIN VIEW, CA 94040 U.S.A. Country of Citizenship: USA	
Full name of sixth inventor: KANG-LIE CHIANG	
Inventor's signature: Date:	
Residence: SAN JOSE, CA 95124	
Post Office Address: 1788 Rosswood Dr. SAN JOSE, CA 95124	
U.S.A. Country of Citizenship: TAIWAN	
Full name of seventh inventor: ROBERT B. HAGEN	
Inventor's signature:	
Residence: NEWARK, CA 94560	
Post Office Address: 6826 CABERNET AVENUE	
NEWARK, CA 94560 U.S.A. Country of Citizenship: USA	
Full name of eighth inventor: MATTHEW L. MILLER	
Inventor's signature: Date:	
Residence: NEWARK, CA 94560	
Post Office Address: 35457 ORLEANS DRIVE NEWARK, CA 94560	

U.S.A.

Country of Citizenship: USA

As a below nan	ned inventor, I hereby declare that:
This declaration	is of the following type:
[] [] [] [X]	original divisional continuation continuation-in-part
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inventor's certificate or any PCT international application(s) designating at least one country other than the United
States of America filed by me on the same subject matter having a filing date before that of the application(s) of
which priority is claimed.

which p	priority is	claimed.		-			
	[X]	No such	applications ha	ve been filed.			
	[]	Such app	plications have t	een filed as follo	ws:		
A.			CT application(ms under 35 U.		mos. (6 m	os. for design) p	rior to this application, and
Count	ry/PCT		Application	No	Date Fil	<u>ed</u>	Priority Claimed
							[] Yes [] No [] Yes [] No [] Yes [] No
В.	All forei U.S. app		cation(s), if any	v, filed more than	n 12 mos. ((6 mos for design) prior to this
	Country: Applicat Filing da	tion No:					
			PR	ORITY CLAIM	I (35 U.S.C	C. §120)	
internations subject in provided that is not reasonal	ional applematter of of the finanterial to ble Examinate of the Examinate	lication(s each of th irst parag the exan iner woul) designating the claims of this raph of Title 35, sination of this ald consider it in	the United States application is not United States Copplication (name) aportant in deciding	of Americ t disclosed ode, §112, ly, informa ng whether	a that is/are liste in that/those prior I acknowledge the tion where there in the app	States application(s) or PCT debelow and, insofar as the rapplication(s) in the manner deduty to disclose information is substantial likelihood that a polication to issue as a patent) CT international filing date of
			applications have b	ve been filed been filed, as follo	ows:		
	Serial No	0	Filing Date	Stat	***************************************	Pending	Abandoned
	09/527,34		March 17, 200		icu	X	Availabiled

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa Registration No. 25,610 Donald Verplancken Registration No. 33,217 Lawrence Edelman Registration No. 25,226 Raymond Kam-On Kwong Registration No. 37,165 James C. Wilson Registration No. 35,412 Joseph Bach Registration No. 37,771 Robert W. Mulcahy Registration No. 25,436 Robert M. Wallace Registration No. 29,119

Send correspondence to:

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Patent Counsel, MS/2061 Legal Affairs Dept. Applied Materials, Inc. P. O. Box 450A Santa Clara, CA 95052. Robert M. Wallace (805) 644-4035

DECLARATION

Full name of sole or firs	st inventor:	DANIEL J. H	IOFFMAN
Inventor's signature:			Date:
Residence:	SARATO	GA, CA 95070	
Post Office Address:	12343 AR	ROYO DE ARGUEL	LO
	SARATO	GA, CA 94070	
	U.S.A.	,	Country of Citizenship: USA
Full name of second inv	entor:	YAN YE	
Inventor's signature:			Date:
Residence:	SARATO	GA, CA 95008	
Post Office Address:	13271 VL	ARRIBA DRIVE	
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Residence:	AGOURA	HILLS, CA 91301	
Post Office Address:	5520 EMB	ER COURT	
	AGOURA	HILLS, CA 91301	
	U.S.A.		Country of Citizenship: USA

Full name of fourth inve	ntor: DOUGLAS A.	DOUGLAS A. BUCHBERGER, JR.		
Inventor's signature:		Date:		
Residence: Post Office Address:	LIVERMORE, CA 95540 2076 VINTAGE LANE LIVERMORE, CA 95540			
	U.S.A.	Country of Citizenship: USA		
Full name of fifth invent	or: XIAOYE ZHA	O		
Inventor's signature:		Date:		
Residence: Post Office Address:	MOUNTAIN VIEW, CA 94040 117 WHIT'S ROAD MOUNTAIN VIEW, CA 94040			
	U.S.A.	Country of Citizenship: USA		
Full name of sixth invent	tor: KANG-LIE CF	HANG		
Inventor's signature:	Class 1	Date: 10/17/01		
Residence:	SAN JOSE, CA 95184			
Post Office Address:	1788 Rosswood Dr.			
	SAN JOSE, CA 95124 U.S.A.	Country of Citizenship: TAIWAN		
Full name of seventh inv	ventor: ROBERT B. H	AGEN		
Inventor's signature:		Date:		
Residence:	NEWARK, CA 94560			
Post Office Address:	6826 CABERNET AVENUE			
	NEWARK, CA 94560 U.S.A.	Country of Citizenship: USA		
Full name of eighth inve	entor: MATTHEW L	. MILLER		
Inventor's signature:		Date:		
Residence:	NEWARK, CA 94560			
Post Office Address:	35457 ORLEANS DRIVE NEWARK, CA 94560			
	U.S.A.	Country of Citizenship: USA		

As a	below	named	inventor,	I hereby	declare	that:

This declaration	is of the following type:
[] [] [] [X]	original divisional continuation continuation-in-part
	INVENTORSHIP IDENTIFICATION
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The specification	n of which:
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which priority is claimed.

winch	illoiliy 13	Ciamica.					
	[X]	No such applications have been filed.					
	[]	Such ap	plications have b	een filed as	follows:		
Α.		Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119					
Count	ry/PCT		Application	No	<u>Date Fi</u>	<u>led</u>	Priority Claimed
							[] Yes [] No [] Yes [] No [] Yes [] No
В.	U.S. ap	oplication y: ation No:	ication(s), if any	y, filed more	e than 12 mos.	(6 mos for desig	(n) prior to this
			PR	IORITY CI	LAIM (35 U.S.	C. §120)	
internat subject provide that is n reasona which o	ional appropriate or down the matterial the ball ble Example of the first section and the first section are the first section and the first section are the first section and the first section are th	plication(f each of first para o the examiner wou between t	s) designating the claims of this graph of Title 35 mination of this ald consider it in	ne United S application United Star pplication (apportant in comparison)	tates of Americ is not disclosed tes Code, §112, namely, informateciding whether	ca that is/are lis in that/those pri I acknowledge that ation where there or to allow the ap	I States application(s) or PCT ted below and, insofar as the or application(s) in the manner he duty to disclose information is substantial likelihood that a application to issue as a patent) PCT international filing date of
[] No such applications have been filed[X] Such applications have been filed, as follows:							
	0 . 13	. +	E'1' D./		Status	Danding	Ahandanad
	Serial 1		Filing Date		Patented	Pending	Abandoned
	09/527,	342	March 17, 200	0		\mathbf{X}	

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Registration No. 25,610 Peter J. Sgarbossa Registration No. 33,217 Donald Verplancken Lawrence Edelman Registration No. 25,226 Registration No. 37,165 Raymond Kam-On Kwong James C. Wilson Registration No. 35,412 Joseph Bach Registration No. 37,771 Robert W. Mulcahy Registration No. 25,436 Robert M. Wallace Registration No. 29,119

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Direct telephone calls to:

Patent Counsel, MS/2061 Legal Affairs Dept. Applied Materials, Inc. P. O. Box 450A Santa Clara, CA 95052.

U.S.A.

Robert M. Wallace (805) 644-4035

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first	inventor: DANIEL J.	HOFFMAN
Inventor's signature:		Date:
Residence:	SARATOGA, CA 95070	
Post Office Address:	12343 ARROYO DE ARGU	ELLO
	SARATOGA, CA 94070	
	U.S.A.	Country of Citizenship: USA
Full name of second inver	ntor: YAN YE	
Inventor's signature:		Date:
Residence:	SARATOGA, CA 95008	
Post Office Address:	13271 VIA ARRIBA DRIVE	
	SARATOGA, CA 95008	
	U.S.A.	Country of Citizenship: USA
Full name of third invent	or: DAN KAT	Z
Inventor's signature:		Date:
Residence:	AGOURA HILLS, CA 9130	1
Post Office Address:	5520 EMBER COURT	
	AGOURA HILLS, CA 9130	1

Country of Citizenship: USA

Full name of fourth inven	ntor: DOUG	DOUGLAS A. BUCHBERGER, JR.		
Inventor's signature:		Date:		
Residence: Post Office Address:	LIVERMORE, CA 95540 2076 VINTAGE LANE LIVERMORE, CA 95540 U.S.A.			
Full name of fifth invento	or: XIAOY	E ZHAO		
Inventor's signature:		Date:		
Residence: Post Office Address:	MOUNTAIN VIEW, CA 117 WHIT'S ROAD MOUNTAIN VIEW, CA U.S.A.			
Full name of sixth inventor	or: KANG	LIE CHIANG		
Inventor's signature:		Date:		
Residence: Post Office Address:	SAN JOSE, CA 95124 1788 Rosswood Dr. SAN JOSE, CA 95124 U.S.A.	Country of Citizenship: TAIWAN		
Full name of seventh invo	entor: ROBEI	RT B. HAGEN		
Inventor's signature: // Residence:	MMARK, CA 94560	Date: 10/17/6/		
Post Office Address:	6826 CABERNET AVEN NEWARK, CA 94560			
	U.S.A.	Country of Citizenship: USA		
Full name of eighth inventor:		HEW L. MILLER		
Inventor's signature:		Date:		
Residence: Post Office Address:	NEWARK, CA 94560 35457 ORLEANS DRIV NEWARK, CA 94560			
	U.S.A.	Country of Citizenship: USA		

As a below nam	ed inventor, I hereby declare that:
This declaration	is of the following type:
[] [] [] [X]	original divisional continuation continuation-in-part
	INVENTORSHIP IDENTIFICATION
first and sole inv	ost office address and citizenship are as stated below next to my name. I believe I am the original, tentor (if only one name is listed below) or an original, first and joint inventor (if plural names are the subject matter which is claimed and for which a patent is sought on the invention entitled:
	TITLE OF INVENTION
"MERIE PL	ASMA REACTOR WITH OVERHEAD RF ELECTRODE TUNED TO THE PLASMA WITH ARCING SUPPRESSION"
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The specification	of which:
[]	is attached hereto was filed on @, under Serial No. (unknown), executed on even date herewith; or [] Express Mail No. @(as Serial No. not yet known) and was amended on(if applicable) was described and claimed in PCT International Application No and as amended under PCT Article 19 on
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States of America filed by me on the same subject matter having a filing date before that of the application(s) of
which priority is claimed.

[X]	No such applications have been filed.
[]	Such applications have been filed as follows:

A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

Country/PCT	Application No	Date Filed	Priority Claimed
			[] Yes [] No [] Yes [] No [] Yes [] No

B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:
Application No:
Filing date:

PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

	No such applications have been filed Such applications have been filed, as follows:			
		Status		
<u>Serial No</u> .	Filing Date	Patented	Pending	Abandoned
9/527,342	March 17, 2000		X	

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Peter J. Sgarbossa Registration No. 25,610 Donald Verplancken Registration No. 33,217 Lawrence Edelman Registration No. 25,226 Raymond Kam-On Kwong Registration No. 37,165 James C. Wilson Registration No. 35,412 Joseph Bach Registration No. 37,771 Robert W. Mulcahy Registration No. 25,436 Robert M. Wallace Registration No. 29,119

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	SARATOGA, CA	94070		
	U.S.A.		Country of Citizenship: U	JSA
Full name of second inve	ntor:	YAN YE		
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Inventor's signature:			Date:	
Residence:	AGOURA HILLS	S, CA 91301		
Post Office Address:	5520 EMBER CC	URT		
	AGOURA HILLS	S, CA 91301		
	U.S.A.		Country of Citizenship: U	JSA

Full name of fourth inve	entor: DOUGLAS A. I	DOUGLAS A. BUCHBERGER, JR.		
Inventor's signature:		Date:		
Residence:	LIVERMORE, CA 95540			
Post Office Address:	2076 VINTAGE LANE			
1 Ost Office 7 Idaicss.	LIVERMORE, CA 95540			
	U.S.A.	Country of Citizenship: USA		
Full name of fifth invent	tor: XIAOYE ZHAO	0		
Tt		Date:		
Inventor's signature: Residence:	MOUNTAIN VIEW, CA 94040	Dute.		
Post Office Address:	117 WHIT'S ROAD			
rost Office Address.	MOUNTAIN VIEW, CA 94040			
	U.S.A.	Country of Citizenship: USA		
Full name of sixth inven	tor: KANG-LIE CH	IIANG		
I till littlife of banking life to				
Inventor's signature:		Date:		
Residence:	SAN JOSE, CA 95124			
Post Office Address:	1788 Rosswood Dr.			
	SAN JOSE, CA 95124	TANKANI		
	U.S.A.	Country of Citizenship: TAIWAN		
Full name of seventh in	ventor: ROBERT B. H	AGEN		
Inventor's signature:		Date:		
Residence:	NEWARK, CA 94560			
Post Office Address:	6826 CABERNET AVENUE			
	NEWARK, CA 94560			
	U.S.A.	Country of Citizenship: USA		
Full name of eighth inv	entor: MATTHEW L	<i>i i</i>		
Inventaria cionatura:	The state of the s	Date: 10/2/01		
Inventor's signature: Residence:	NEWARK CA 94560	7 7 7		
Post Office Address:	35457 ORLEANS DRIVE			
1 05t Office Address.	NEWARK, CA 94560			
	II S A	Country of Citizenship: USA		